



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 6  
HOUSTON BRANCH  
10625 FALLSTONE RD.  
HOUSTON, TEXAS 77099

**RECEIVED**  
BY \_\_\_\_\_  
DATE \_\_\_\_\_

*SP 3/9/07*

**MEMORANDUM**

Date: March 1, 2007

Subject: Contract Laboratory Program Data Review

From: *for M. Humphrey*  
Marvelyne Humphrey, ESAT Regional PO, 6MD-HC

To: G. Baumgarten, 6SF-RA

Site : JONES ROAD GROUND WATER PLUME

Case#: 26143-36143

SDG# : F2CT1

The EPA Region 6 Houston Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative.

If you have any questions regarding the data review report, please call me at (281) 983-2140.



# **ENVIRONMENTAL SERVICES ASSISTANCE TEAM**

ESAT Region 6  
10625 Fallstone Road  
Houston, TX 77099

**Alion Science and Technology**

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## **MEMORANDUM**

DATE: March 1, 2007  
TO: Marvelyn Humphrey, ESAT PO, Region 6 EPA  
FROM: Wallace Doong, Data Reviewer, ESAT *WD*  
THRU: Dominic G. Jarecki, ESAT Program Manager, ESAT *DP*  
SUBJECT: CLP Data Review

Contract No.: EP-W-06-030  
TO No.: 002  
Task/Sub-Task: 2-11  
ESAT Doc. No.: 6002-211-0207  
TDF No.: 6-06-255A  
ESAT File No.: 0-0136

Attached is the data review summary for Case # 36143

SDG # F2CT1

Site Jones Road Ground Water Plume

### **COMMENTS:**

#### I. LEVEL OF DATA REVIEW

Standard data review was performed for this data package.

#### II. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE

The CCS and hardcopy review determined that the package was contractually compliant.

#### III. TECHNICAL USABILITY ASSESSMENT OF THE DATA PACKAGE

The total number of sample results reviewed was 1,040 for this data package. Some results were qualified because of a minor technical problem.

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**REGION 6**  
**HOUSTON BRANCH**  
**10625 FALLSTONE ROAD**  
**HOUSTON, TEXAS 77099**  
**ORGANIC REGIONAL DATA ASSESSMENT**

CASE NO. 36143  
LABORATORY MITKEM  
CONTRACT# EP-W-05-030  
SDG# F2CT1  
SOW# SOM01.1  
SF# 302DD2CNK

SITE Jones Road Ground Water Plume  
NO. OF SAMPLES 20  
MATRIX Water  
REVIEWER (IF NOT ESB) ESAT  
REVIEWER'S NAME Wallace Doong  
COMPLETION DATE March 1, 2007

SAMPLE NO.	<u>F2CT1</u>	<u>F2D16</u>	<u>F2D25</u>	<u>F2D70</u>	<u>F2DB8</u>
	<u>F2CT2</u>	<u>F2D21</u>	<u>F2D64</u>	<u>F2D72</u>	<u>F2DD0</u>
	<u>F2D12</u>	<u>F2D22</u>	<u>F2D68</u>	<u>F2D74</u>	<u>F2DE4</u>
	<u>F2D15</u>	<u>F2D24</u>	<u>F2D69</u>	<u>F2D81</u>	<u>F2DE5</u>

DATA ASSESSMENT SUMMARY

TVOA

1. HOLDING TIMES	<u>O</u>
2. GC/MS TUNE/INSTR. PERFORM.	<u>O</u>
3. CALIBRATIONS	<u>M</u>
4. BLANKS	<u>O</u>
5. DMC/SURROGATES	<u>O</u>
6. MATRIX SPIKE/DUPLICATE/LCS	<u>O</u>
7. OTHER QC	<u>O</u>
8. INTERNAL STANDARDS	<u>O</u>
9. COMPOUND ID/QUANTITATION	<u>O</u>
10. PERFORMANCE/COMPLETENESS	<u>O</u>
11. OVERALL ASSESSMENT	<u>M</u>

O = Data had no problems.

M = Data qualified because of major or minor problems.

Z = Data unacceptable.

NA = Not applicable.

**ACTION ITEMS:**

**AREA OF CONCERN:** The 1,4-dioxane did not meet the technical minimum RRF calibration criteria.

**NOTABLE PERFORMANCE:** The data package arrived 7 calendar days early for the 21-day turnaround time requirement.

**COMMENTS/CLARIFICATIONS  
REGION 6 CLP QA REVIEW**

**CASE 36143 SDG F2CT1 SITE Jones Road Ground Water Plume LAB MITKEM**

**COMMENTS:** This SDG consisted of 20 water samples for TVOA analysis following SOW SOM01.1. The OTR/COC Records designated sample F2D72 as the laboratory QC sample, sample F2DD0 as a field blank, and sample F2DB8 as a trip blank. The Region 6 RSCC verified that samples F2DE4/F2D26 (SDG F2D09), F2DE5/F2D07 (SDG F2D09), F2D68/F2DE2, and F2D70/F2DE3 were field duplicate pairs. However, the data for samples F2DE2 and F2DE3 were unavailable at the time of this report preparation.

Standard data review was performed for this package as requested by the Region. The compounds of concern with the user's desired detection limits in the parentheses are vinyl chloride (2 ug/L), cis/trans-1,2-dichloroethenes (7 ug/L), and tetrachloroethene (5 ug/L). All samples met the user's desired detection limit criteria. Some target compounds of concern were detected at concentrations above the CRQL's in samples F2D16, F2D64, and F2DE5, but only the tetrachloroethene concentration in sample F2D16 was above the user's desired detection limit.

The only target compounds not designated as compounds of concern and detected at concentrations above the CRQL's were chloroform and trichloroethene in samples F2D72 and F2D16, respectively.

The 1,4-dioxane results were qualified for all samples because of a calibration problem. ESAT's final data qualifiers in the Data Summary Table (DST) indicate the technical usability of all reported results. An Evidence Audit was conducted for the Complete Sample Delivery Group File (CSF), and the audit results were reported on the Evidence Inventory Checklist.

**NOTE:** THE FOLLOWING REVIEW NARRATIVE ADDRESSES BOTH CONTRACTUAL ISSUES (BASED ON THE STATEMENT OF WORK) AND TECHNICAL ISSUES (BASED ON THE NATIONAL FUNCTIONAL GUIDELINES). THE ASSESSMENT MADE FOR EACH QC PARAMETER IS SOLELY BASED ON THE TECHNICAL DATA USABILITY, WHICH MAY NOT NECESSARILY BE AFFECTED BY CONTRACTUAL PROBLEMS. THE ASSESSMENTS ARE DEFINED BELOW.

Acceptable = No results were qualified for any problem associated with this QC parameter.

Provisional = Some results were qualified because of problems associated with this QC parameter.

Unusable = All results are unusable because of major problems associated with this QC parameter.

**1. Holding Times:** Acceptable. The laboratory analyzed the samples within the contractual and technical holding time limits. The pH values indicated that all samples were acid-preserved.

**NOTE:** Polymerization of vinyl chloride and styrene is likely to occur in acid-preserved samples and could cause low biased results for these analytes.

**ORGANIC QA REVIEW  
CONTINUATION PAGE**

**CASE 36143 SDG F2CT1 SITE Jones Road Ground Water Plume LAB MITKEM**

**2. Tuning/Performance:** Acceptable. The BFB analyses met GC/MS tuning criteria.

**3. Calibrations:** Provisional. All calibrations met contractual criteria. The 1,4-dioxane did not meet the technical minimum RRF criteria for all calibrations. The raw data for the initial calibrations showed that the instrument had no difficulty detecting this analyte at the CRQL, but a drop of instrument response for this analyte in CCV's VSTD0052D, VSTD0052E, VSTD0052F, and VSTD0052K raised a concern over the instrument sensitivity for the associated analytical sequences. Therefore, the reviewer qualified the 1,4-dioxane QL as estimated for all samples.

**4. Blanks:** Acceptable. All blanks met contractual requirements. The method blanks were free from target compound contamination. The storage blank contained methylene chloride at a concentration below the CRQL although methylene chloride was not detected in the field samples.

**Field/Trip Blanks:** Field blank sample F2DD0 and trip blank sample F2DB8 did not contain any target compound.

**5. Deuterated Monitoring Compounds (DMC's) /Surrogates:**

Acceptable. The samples had contractually acceptable DMC performance although 18 analyses, including the MS/MSD analyses, had up to 3 DMC recoveries above the QC limits. The high recoveries did not affect the spike compound results. The high recoveries for the field samples did not cause data qualification because the associated results were undetected.

**6. Matrix Spike/Matrix Spike Duplicate/Laboratory Control Sample (MS/MSD/LCS):** Acceptable. All MS/MSD results were within the SOW QC limits.

**7. Other QC:**

**Field Duplicates:** Acceptable. The results were consistent for field duplicate sample pairs F2DE4/F2D26 (SDG F2D09) and F2DE5/F2D07 (SDG F2D09). No evaluation was performed for the other two field duplicate pairs because the data for samples F2DE2 and F2DE3 have not been received.

**8. Internal Standards (IS):** Acceptable. IS performance was acceptable for all analyses.

**9. Compound Identity (ID) /Quantitation:** Acceptable. The target compounds detected at concentrations above the CRQL's in the samples were cis-1,2-dichloroethene, chloroform, trichloroethene, and tetrachloroethene. No compound ID or quantitation problem was detected.

**ORGANIC QA REVIEW  
CONTINUATION PAGE**

**CASE 36143 SDG F2CT1 SITE Jones Road Ground Water Plume LAB MITKEM**

**10. Performance/Completeness:** Acceptable. The data package was complete. The laboratory was contacted for a reporting error (see Resubmission Request). The laboratory response is not expected to affect the DST.

**11. Overall Assessment:** The 1,4-dioxane results were qualified for all samples because of a calibration problem.

## ORGANIC ACRONYMS

%D	Percent Difference
%RSD	Percent Relative Standard Deviation
ARO	Aroclors
BFB	4-Bromofluorobenzene
BNA	Base/Neutral and Acid
CADRE	Computer-Aided Data Review and Evaluation
CCS	Contract Compliance Screening
CCV	Continuing Calibration Verification
CF	Calibration Factor
CRQL	Contract Required Quantitation Limit
CSF	Complete SDG File
DCB	Decachlorobiphenyl
DFTPP	Decafluorotriphenylphosphine
DMC	Deuterated Monitoring Compound
DST	Data Summary Table
GC/ECD	Gas Chromatograph/Electron Capture Detector
GC/MS	Gas Chromatograph/Mass Spectrometer
GPC	Gel Permeation Chromatography
IC	Initial Calibration
INDA (B,C)	Individual Standard Mixture A(or B or C)
IS	Internal Standard
LCS	Laboratory Control Sample
LMVOA	Low/Medium Volatile Organic Analysis
MS/MSD	Matrix Spike/Matrix/ Spike Duplicate
NFG	National Functional Guidelines
OTR/COC	Organic Traffic Report/Chain of Custody
PAH	Polynuclear Aromatic Hydrocarbon
PE	Performance Evaluation
PEM	Performance Evaluation Mixture
PEST	Pesticides
QA	Quality Assurance
QC	Quality Control
QL	Quantitation Limit
RIC	Reconstructed Ion Chromatogram
RPD	Relative Percent Difference
RRF	Relative Response Factor
RRT	Relative Retention Time
RSCC	Regional Sample Control Center
RT	Retention Time
SDG	Sample Delivery Group
SDMC	Semivolatile Deuterated Monitoring Compound
SIM	Selected Ion Monitoring
SMO	Sample Management Office
SOW	Statement of Work
SQL	Sample Quantitation Limit
SVOA	Semivolatile Organic Analysis
TCL	Target Compound List
TCX	Tetrachloro-m-xylene
TIC	Tentatively Identified Compound
TVOA	Trace Volatile Organic Analysis
VDMC	Volatile Deuterated Monitoring Compound
VOA	Volatile Organic Analysis

## **HEADER DEFINITIONS FOR ORGANIC EXCEL DST**

CASE: Case Number  
SDG: SDG Number  
EPASAMP: EPA Sample Number  
LABID: Laboratory File/Sample ID  
MATRIX: Sample Matrix  
ANDATE: Sample Analysis Date  
ANTIME: Sample Analysis Time  
CASNUM: Compound CAS Number  
ANALYTE: Compound Name  
CONC: Compound Concentration  
VALDQAL: Region 6 Organic Data Validation Qualifier (see Organic Data Qualifier Definitions on the next page)  
UNITS: Concentration Units  
ADJCRQL: Adjusted Contract Required Quantitation Limit Value  
SMPDATE: Sampling Date  
STATLOC: Station Location

**Disclaimer:** ESAT verified the accuracy of the information reported in the Excel DST only for the following data fields: CASE, SDG, EPASAMP, MATRIX, ANALYTE, CONC, UNITS, VALDQAL, and ADJCRQL. The data qualifiers in the VALDQAL column indicate the technical usability of the reported results.

## **ORGANIC DATA QUALIFIER DEFINITIONS**

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

- U** Not detected at reported quantitation limit.
- N** Identification is tentative.
- J** Estimated value.
- L** Reported concentration is below the CRQL.
- M** Reported concentration should be used as a raised quantitation limit because of interferences and/or laboratory contamination.
- R** Unusable.
- ^** High biased. Actual concentration may be lower than the concentration reported.
- v** Low biased. Actual concentration may be higher than the concentration reported.
- F+** A false positive exists.
- F-** A false negative exists.
- UJ** Estimated quantitation limit.
- T** Identification is questionable because of absence of other commonly coexisting pesticides.
- C** Identification of pesticide or aroclor has been confirmed by Gas Chromatography/Mass Spectrometer (GC/MS).
- X** Identification of pesticide or aroclor could not be confirmed by GC/MS when attempted.
- \*** Result not recommended for use because of associated QA/QC performance inferior to that from other analysis.









































## INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 36143 SDG No. F2CT1 SDG Nos. To Follow Mod. Ref. No. Date Rec'd 02/21/07

EPA Lab ID:	MITKEM	<b>ORIGINALS</b>		
		<b>YES</b>	<b>NO</b>	<b>N/A</b>
Lab Location:	Warwick, RI			
Region:	6 Audit No.:	36143/F2CT1		
Re_Submitted CSF?	Yes	No	X	
Box No(s):	1			
COMMENTS:				
Over for additional comments.				

  

CUSTODY SEALS	
FORM DC-2	
FORM DC-1	
CHAIN-OF-CUSTODY RECORD(s)	
TRAFFIC REPORT(s) PACKING LIST(s)	
AIRBILLS/AIRBILL STICKER	
SAMPLE TAGS	
OTHER DOCUMENTS	
1. Present on package?	<input checked="" type="checkbox"/>
2. Intact upon receipt?	<input checked="" type="checkbox"/>
3. Numbering scheme accurate?	<input checked="" type="checkbox"/>
4. Are enclosed documents listed?	<input checked="" type="checkbox"/>
5. Are listed documents enclosed?	<input checked="" type="checkbox"/>
6. Present?	<input checked="" type="checkbox"/>
7. Complete?	<input checked="" type="checkbox"/>
8. Accurate?	<input checked="" type="checkbox"/>
9. Signed?	<input checked="" type="checkbox"/>
10. Dated?	<input checked="" type="checkbox"/>
11. Signed?	<input checked="" type="checkbox"/>
12. Dated?	<input checked="" type="checkbox"/>
13. Present?	<input checked="" type="checkbox"/>
14. Signed?	<input checked="" type="checkbox"/>
15. Dated?	<input checked="" type="checkbox"/>
16. Does DC-1 list tags as being included?	<input checked="" type="checkbox"/>
17. Present?	<input checked="" type="checkbox"/>
18. Complete?	<input checked="" type="checkbox"/>
19. Legible?	<input checked="" type="checkbox"/>
20. Original?	<input checked="" type="checkbox"/>
20a. If "NO", does the copy indicate where original documents are located?	<input checked="" type="checkbox"/>

Audited by: Wallace Doong Wallace Doong / ESAT Data Reviewer Date 02/26/07  
 Audited by: \_\_\_\_\_ Date \_\_\_\_\_  
 Audited by: \_\_\_\_\_ Date \_\_\_\_\_

Signature

Printed Name/Title

DC-2

In Reference To Case No(s):  
36143 SDG: F2CT1 (O-0136)

**Contract Laboratory Program  
REGIONAL/LABORATORY COMMUNICATION SYSTEM**

**Resubmission Request**

Laboratory Name: MITKEM  
Lab Contact: Agnes R. Ng  
  
Region: 6  
Regional Contact: Mahmoud El-Feky - EPA  
ESAT Reviewer: Wallace Doong - ESAT

**In reference to data for the following fractions:**

TVOA

**Summary of Questions/Issues:**

Form 1A for storage blank VHBLK2J (p. 229): Methylene chloride was identified and reported on the quantitation report, but the concentration was not reported on the Form 1A. Please correct and resubmit page 229 at this time.

**NOTE:** Any laboratory resubmission should be submitted either as an addendum to the original CSF with a revised Form DC-2 or submitted as a new CSF with a new Form DC-2 except for replacement pages (SOM01.1, B-33, 2.6.3). Custody seals are required for all such shipments.

Please respond to the above items **within 7 days** by e-mail to El-Feky.Mahmoud@epamail.epa.gov and by regular mail to:

Mr. Mahmoud El-Feky  
U.S. EPA Region 6 Laboratory  
10625 Fallstone Road  
Houston, TX 77099

If you have any questions, please contact Mr. El-Feky at (281) 983-2128.

**Distribution:** (1) Lab Copy, (2) Region Copy, and (3) ESAT Copy



**USEPA Contract Laboratory Program  
Organic Traffic Report & Chain of Custody Record**

Case No: 36143  
DAS No:

R

Region: 6	Date Shipped: 2/6/2007	Chain of Custody Record	
Project Code: 123739	Carrier Name: UPS	Sampler Signature:	<i>[Signature]</i>
Account Code:	Airbill: 1Z66V0692210006020	Relinquished By	(Date / Time)
CERCLIS ID:	Shipped to: Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400	1	<i>Heather Bauer 2/6/07 1700</i>
Spill ID:		2	
Site Name/State: JONES RD GW PLUME FEDERAL SUPERFUND		3	
Project Leader: Jennifer Dart		4	
Action:			
Sampling Co: Shaw Environmental, Inc.			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
F2CT1	Ground Water	/G	TVOA (21)	325113 (HCL), 325114 (HCL), 325115 (HCL) (3)	JR11427-2	S: 2/6/2007 6:48		--
F2CT2	Ground Water	/G	TVOA (21)	325116 (HCL), 325117 (HCL), 325118 (HCL) (3)	JR11427-3	S: 2/6/2007 6:51		--
F2D12	Ground Water	/G	TVOA (21)	325380 (HCL), 325381 (HCL), 325382 (HCL) (3)	TC11107-2	S: 2/6/2007 8:45		--
F2D13	Ground Water	/G	TVOA (21)	325383 (HCL), 325384 (HCL), 325385 (HCL), 325386 (HCL), 325387 (HCL), 325388 (HCL), 325389 (HCL), 325390 (HCL), 325391 (HCL) (9)	TC11107-3	S: 2/6/2007 8:50		--
F2D15	Ground Water	/G	TVOA (21)	325395 (HCL), 325396 (HCL), 325397 (HCL) (3)	TC11115-2	S: 2/6/2007 11:25		--
F2D16	Ground Water	/G	TVOA (21)	325398 (HCL), 325399 (HCL), 325400 (HCL) (3)	TC11115-3	S: 2/6/2007 11:30		--
F2D21	Ground Water	/G	TVOA (21)	325527 (HCL), 325528 (HCL), 325529 (HCL) (3)	TC11130-2	S: 2/6/2007 8:40		--
F2D22	Ground Water	/G	TVOA (21)	325530 (HCL), 325531 (HCL), 325532 (HCL) (3)	TC11130-3	S: 2/6/2007 8:45		--
F2D24	Ground Water	/G	TVOA (21)	325533 (HCL), 325534 (HCL), 325535 (HCL) (3)	TC11135	S: 2/6/2007 10:25		--

Page 31 of 34

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:  F2D13	Additional Sampler Signature(s):  <i>Heather Bauer, Analytical Lead Pkg</i>	Chain of Custody Seal Number:
Analysis Key: TVOA = SOM01.1	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

**TR Number: 6-043013577-020607-0004**

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4203

F2V5.1.047 Page 1 of 3



**USEPA Contract Laboratory Program**  
**Organic Traffic Report & Chain of Custody Record**

Case No: 36143  
DAS No:

R

Region:	6
Project Code:	123739
Account Code:	
CERCLIS ID:	
Spill ID:	
Site Name/State:	JONES RD GW PLUME FEDERAL SUPEF
Project Leader:	Jennifer Dart
Action:	
Sampling Co:	Shaw Environmental, Inc.

Date Shipped: 2/6/2007  
Carrier Name: UPS  
Airbill: 1Z66V0692210006020  
Shipped to: Mitkem Corporation  
175 Metro Center Blvd.  
Warwick RI 02886  
(401) 732-3400

**Chain of Custody Record**

Relinquished By	(Date / Time)	Received By	(Date / Time)
1	2/6/07 1700		
2			
3			
4			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
F2D25	Ground Water	/G	TVOA (21)	325536 (HCL), 325537 (HCL), 325538 (HCL) (3)	TC11140	S: 2/6/2007 11:18		--
F2D64	Ground Water	/G	TVOA (21)	325215 (HCL), 325216 (HCL), 325217 (HCL) (3)	TO11023	S: 2/6/2007 11:13		--
F2D68	Ground Water	/G	TVOA (21)	325200 (HCL), 325201 (HCL), 325202 (HCL) (3)	TO11115B	S: 2/6/2007 8:20		--
F2D69	Ground Water	/G	TVOA (21)	325206 (HCL), 325207 (HCL), 325208 (HCL) (3)	TO11116	S: 2/6/2007 9:16		--
F2D70	Ground Water	/G	TVOA (21)	325209 (HCL), 325210 (HCL), 325211 (HCL) (3)	TO11116-MO	S: 2/6/2007 9:58		--
F2D74	Ground Water	/G	TVOA (21)	325137 (HCL), 325138 (HCL), 325139 (HCL) (3)	TT11011-2	S: 2/6/2007 10:24		--
F2D75	Ground Water	/G	TVOA (21)	325140 (HCL), 325141 (HCL), 325142 (HCL) (3)	TT11011-3	S: 2/6/2007 10:26		--
F2D78	Ground Water	/G	TVOA (21)	325146 (HCL), 325147 (HCL), 325148 (HCL) (3)	TT11015-2	S: 2/6/2007 11:44		--
F2D79	Ground Water	/G	TVOA (21)	325149 (HCL), 325150 (HCL), 325151 (HCL) (3)	TT11015-3	S: 2/6/2007 11:47		--
F2D93	Ground Water	/G	TVOA (21)	325122 (HCL), 325123 (HCL), 325124 (HCL) (3)	TT11127-2	S: 2/6/2007 8:30		--
F2D94	Ground Water	/G	TVOA (21)	325125 (HCL), 325126 (HCL), 325127 (HCL) (3)	TT11127-3	S: 2/6/2007 8:35		--

Page 32 of 34

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: F2D13	Additional Sampler Signature(s): <i>Heather Bauer, Jennifer Dart, Michael Beard, JMB</i>	Chain of Custody Seal Number:
Analysis Key: TVOA = SOM01.1	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced?

TR Number: 6-043013577-020607-0004

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4600

F2V5.1.047 Page 2 of 3

**EPA USEPA Contract Laboratory Program  
Organic Traffic Report & Chain of Custody Record**

Case No: 36143

DAS No:

R

Region:	6	Date Shipped:	2/6/2007	Chain of Custody Record		Sampler Signature:
Project Code:	123739	Carrier Name:	UPS	Relinquished By (Date / Time)		Received By (Date / Time)
Account Code:		Airbill:	1Z66V0692210006011	<i>Heather Bauer 2/6/07 1300</i>		
CERCLIS ID:		Shipped to:	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400	2		
Spill ID:		3		4		
Site Name/State:	JONES RD GW PLUME FEDERAL SUPER					
Project Leader:	Jennifer Dart					
Action:						
Sampling Co:	Shaw Environmental, Inc.					

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
F2D07	Ground Water	/G	TVOA (21)	325404 (HCL), 325405 (HCL), 325406 (HCL) (3)	TC11034	S: 2/6/2007 14:20		-
F2D26	Ground Water	/G	TVOA (21)	325539 (HCL), 325540 (HCL), 325541 (HCL) (3)	TC11203	S: 2/6/2007 12:10		-
F2D71	Ground Water	/G	TVOA (21)	325218 (HCL), 325219 (HCL), 325220 (HCL) (3)	TO11205	S: 2/6/2007 12:02		-
F2D72	Ground Water	/G	TVOA (21)	325221 (HCL), 325222 (HCL), 325223 (HCL), 325224 (HCL), 325225 (HCL), 325226 (HCL), 325227 (HCL), 325228 (HCL), 325229 (HCL) (9)	TO11230	S: 2/6/2007 12:49		-
F2D80	Ground Water	/G	TVOA (21)	325164 (HCL), 325165 (HCL), 325166 (HCL) (3)	TT11031-2	S: 2/6/2007 12:56		-
F2D81	Ground Water	/G	TVOA (21)	325167 (HCL), 325168 (HCL), 325169 (HCL) (3)	TT11031-3	S: 2/6/2007 12:59		-
F2DB8	Ground Water	/G	TVOA (21)	420919 (HCL), 420920 (HCL), 420921 (HCL) (3)	TRIP BLANK 4	S: 2/6/2007 13:00		Trip Blank
F2DD0	Ground Water	/G	TVOA (21)	420925 (HCL), 420926 (HCL), 420927 (HCL) (3)	FIELD BLANK 4	S: 2/6/2007 13:00		Field Blank
F2DE4	Ground Water	/G	TVOA (21)	325542 (HCL), 325543 (HCL), 325544 (HCL) (3)	TC11203A	S: 2/6/2007 12:10		Field Duplicate

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: F2D72	Additional Sampler Signature(s): <i>Heather Bauer Amy Soltan Michael Beard J. Edy</i>	Chain of Custody Seal Number:
Analysis Key: TVOA = SOM01.1	Concentration: L = Low, M = Low/Medium, H = High.	Type/Designate: Composite = C, Grab = G	Shipment Iced?

TR Number: 6-043013577-020607-0006

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4200

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**USEPA Contract Laboratory Program  
Organic Traffic Report & Chain of Custody Record**

Case No: 36143  
DAS No:

R

Region:	6
Project Code:	123739
Account Code:	
CERCLIS ID:	
Spill ID:	
Site Name/State:	JONES RD GW PLUME FEDERAL SUPER
Project Leader:	Jennifer Dart
Action:	
Sampling Co:	Shaw Environmental, Inc.

Date Shipped:	2/6/2007
Carrier Name:	UPS
Airbill:	1Z66V0692210006011
Shipped to:	Mitkem Corporation 175 Metro Center Blvd. Warwick RI 02886 (401) 732-3400

**Chain of Custody Record**

Sampler  
Signature:

Relinquished By	(Date / Time)	Received By	(Date / Time)
1st Bartal	2/6/07 17:00		
2			
3			
4			

ORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	INORGANIC SAMPLE No.	QC Type
F2DE5	Ground Water	/G	TVOA (21)	325407 (HCL), 325408 (HCL), 325409 (HCL) (3)	TC11034A	S: 2/6/2007 14:20		Field Duplicate

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Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:  F2D72	Additional Sampler Signature(s):  Micah Beard J/R Amy Blatt J/R	Chain of Custody Seal Number:
Analysis Key: TVOA = SOM01.1	Concentration: L = Low, M = Low/Medium, H = High  TVOA = SOM01.1	Type/Designate: Composite = C, Grab = G  J/R	Shipment Iced? _____

**TR Number: 6-043013577-020607-0006**

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